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NOTICE OF ALLOWANCE AND FEE(S) DUE

24500

7590

02/19/2004

SIEMENS CORPORATION INTELLECTUAL PROPERTY LAW DEPARTMENT 170 WOOD AVENUE SOUTH ISELIN, NJ 08830

EXAMINER	
AN MARTIN, EDGARDO	

PAPER NUMBER

ART UNIT

DATE MAILED: 02/19/2004

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/656,808	09/07/2000	Ian R. McLean	60,426-047	1859

TITLE OF INVENTION: TUNED HELMHOLTZ RESONATOR USING CAVITY FORCING

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1330	\$0	\$1330	05/19/2004

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. <u>PROSECUTION ON THE MERITS IS CLOSED</u>. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (OR AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WILL BE REGARDED AS ABANDONED.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

- A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.
- B. If the status is changed, pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above and notify the United States Patent and Trademark Office of the change in status, or

If the SMALL ENTITY is shown as NO:

- A. Pay TOTAL FEE(S) DUE shown above, or
- B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check the box below and enclose the PUBLICATION FEE and 1/2 the ISSUE FEE shown above.
- Applicant claims SMALL ENTITY status. See 37 CFR 1.27.
- II. PART B FEE(S) TRANSMITTAL should be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). Even if the fee(s) have already been paid, Part B Fee(s) Transmittal should be completed and returned. If you are charging the fee(s) to your deposit account, section "4b" of Part B Fee(s) Transmittal should be completed and an extra copy of the form should be submitted.
- III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on r after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this f rm, together with applicable fee(s), to: Mail

Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

(703) 746-4000 or <u>Fax</u>

used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 4 should be completed where

appropriate. All further con indicated unless corrected maintenance fee notification	rm should be used for tran respondence including the below or directed otherwise	Patent, advance orderin Block 1, by (a)	ers and notification specifying a new co	of maintenance fees orrespondence addres	will be mailed to the current ss; and/or (b) indicating a sep	correspondence address as arate "FEE ADDRESS" for	
CURRENT CORRESPONDENCE ADDRESS (Note: Legibly mark-up with any corrections or use Block 1) 24500 7590 02/19/2004				Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, much ave its own certificate of mailing or transmission.			
SIEMENS CORI	PORATION PROPERTY LAW DI NUE SOUTH	EPARTMENT		I hereby certify that States Postal Service addressed to the M	ertificate of Mailing or Tran this Fee(s) Transmittal is being with sufficient postage for final ail Stop ISSUE FEE address SPTO, on the date indicated be	ig deposited with the United est class mail in an envelope above, or being facsimile	
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						(Signature)	
						(Date)	
APPLICATION NO.	FILING DATE	F	IRST NAMED INVEN	TOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/656,808	09/07/2000		Ian R. McLean		60,426-047	1859	
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nonprovisional	NO	\$1330		\$0	\$1330	05/19/2004	
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SAN MARTII	N, EDGARDO	2837		181-206000	_		
Address form PTO/SB/1: "Fee Address" indicati PTO/SB/47; Rev 03-02 Number is required. 3. ASSIGNEE NAME AND PLEASE NOTE: Unless	on (or "Fee Address" Indica or more recent) attached. Use O RESIDENCE DATA TO B an assignee is identified be d to the USPTO or is being	tion form e of a Customer E PRINTED ON The low, no assignee day submitted under sepa	agents OR, alternative firm (having as a agent) and the na attorneys or agent will be printed. HE PATENT (print of the arate cover. Complet	or type)	e of a single d attorney or 2 stered patent ted, no name 3 assignee data is only appropri	ate when an assignment has	
Please check the appropriate	e assignee category or catego	ries (will not be prin	nted on the patent);	☐ individual ☐	corporation or other private g	roup entity	
4a. The following fee(s) are	enclosed:	4b.	Payment of Fee(s):			<u>-</u>	
☐ Issue Fee				ount of the fee(s) is e			
Publication Fee	Caria		•	card. Form PTO-203		anadis and accompanies to	
Advance Order - # 01	Copies]	Deposit Account Nu	mber	charge the required fee(s), or (enclose an extra	copy of this form).	
Director for Patents is reque	sted to apply the Issue Fee a	nd Publication Fee ((if any) or to re-apply	any previously paid	issue fee to the application ide	entified above.	
(Authorized Signature)		(Date)					
NOTE; The Issue Fee an other than the applicant; interest as shown by the re	d Publication Fee (if requir a registered attorney or ag cords of the United States Pa	ed) will not be according to the assigned attent and Trademark	epted from anyone e or other party in coffice.				
application. Confidentiality estimated to take 12 minus completed application for case. Any comments on suggestions for reducing 19 Patent and Trademark 22313-1450. DO NOT S	tion is required by 37 CFR by the public which is to f y is governed by 35 U.S.C. I tes to complete, including g m to the USPTO. Time withe amount of time you his burden, should be sent Office, U.S. Department SEND FEES OR COMPLE for Patents. Alexandria, Vir.	122 and 37 CFR 1.14 athering, preparing, il vary depending u require to complete to the Chief Inform of Commerce, AleTED FORMS TO	4. This collection is and submitting the upon the individual this form and/or nation Officer, U.S.				

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SIEMENS C		-		SAN MARTIN	, EDGARDO
INTELLECTUAL PROPERTY LAW DEPARTMENT 170 WOOD AVENUE SOUTH		PARTMENT	ART UNIT	PAPER NUMBER	
ISELIN, NJ 0				2837	
				DATE MAILED: 02/19/200	4

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 0 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 0 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) system (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (703) 305-1383. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at (703) 305-8283.

	Application N .	Applicant(s)	
	09/656,808	MCLEAN, IAN R.	
Notice of Allowability	Examiner	Art Unit	
	Edgardo San Martin	2837	
The MAILING DATE of this communication appeal All claims being allowable, PROSECUTION ON THE MERITS IS (herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGORY OF THE PROPERTY OF THE PROP	ars n the c ver sheet with (OR REMAINS) CLOSED in t or other appropriate commun GHTS. This application is su	his application. If not include ication will be mailed in due c	d ourse. THIS
1. X This communication is responsive to the communication file	<u>ed on December 31, 2003</u> .		
2. ☑ The allowed claim(ş) is/are <u>2,4-12 and 14-20</u> .			
3. $igotimes$ The drawings filed on <u>03 April 2002</u> are accepted by the Ex	aminer.		
 4. Acknowledgment is made of a claim for foreign priority unall a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). * Certified copies not received: 	been received. been received in Application	No	on from the
Applicant has THREE MONTHS FROM THE "MAILING DATE" of noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		reply complying with the requ	uirements
5. A SUBSTITUTE OATH OR DECLARATION must be submi INFORMAL PATENT APPLICATION (PTO-152) which give			OTICE OF
6. CORRECTED DRAWINGS (as "replacement sheets") must	t be submitted.		
(a) ☐ including changes required by the Notice of Draftsperso	on's Patent Drawing Review	(PTO-948) attached	
1) hereto or 2) to Paper No./Mail Date	_		
(b) including changes required by the attached Examiner's Paper No./Mail Date		n the Office action of	
Identifying indicia such as the application number (see 37 CFR 1. each sheet. Replacement sheet(s) should be labeled as such in the			back) of
7. DEPOSIT OF and/or INFORMATION about the depos attached Examiner's comment regarding REQUIREMENT F	sit of BIOLOGICAL MATER	RIAL must be submitted. N	ote the
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Attachment(s)	E Manager et f	and Detail Assissing (DTO	.450\
1. Notice of References Cited (PTO-892)	<u>-</u>	rmal Patent Application (PTO	-152)
2. Notice of Draftperson's Patent Drawing Review (PTO-948)	6. ☐ Interview Sur Paper No./M	nmary (PTO-413), lail Date	
3. Information Disclosure Statements (PTO-1449 or PTO/SB/08		mendment/Comment	
Paper No./Mail Date			
·	8. 🛛 Examiner's S	tatement of Reasons for Allov	vance

Application/Control Number: 09/656,808

Art Unit: 2837

DETAILED ACTION

Allowable Subject Matter

1. Claims 2, 4 – 12 and 14 – 20 are allowed.

The following is an examiner's statement of reasons for allowance:

- Applicant's arguments filed on December 31, 2003, with respect to claims 2, 4 12 and 14 20 have been fully considered and are persuasive. The rejection of the claims has been withdrawn.
 - The references of the Prior Art of record fail to teach, or suggest any obvious combination of the limitations discussed in the previous Office Action mailed on May 27, 2003, and further comprising the limitations (with respect to claim 8) of an induction noise attenuation system comprising a helmholtz resonator having a chamber and an active resonator disposed within the chamber; nor (with respect to claim 15) a method of attenuating noise in an induction system comprising sensing an engine speed, producing a phase compensated engine speed signal and driving a loudspeaker with the phase compensated engine speed signal.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Art Unit: 2837

Contact Information

2. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Edgardo San Martin whose telephone number is (571) 272-2074. The examiner can normally be reached during 8:00AM - 5:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Robert Nappi can be reached on (571) 272-2071. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 872 - 9306 for regular communications and (703) 872 - 9306 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0956.

Edgardo San Martín Patent Examiner Art Unit 2837 Class 181 February 12, 2004

POPERT MAPPI SUPPRVISUAL PATENT EXAMINER